



Patent  
Case No.: 51806US008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: WORTMAN, DAVID L.  
Application No.: 10/051530      Group Art Unit: 2875  
Filed: January 22, 2002      Examiner: Unknown  
Title: BACKLIGHT SYSTEM WITH MULTILAYER OPTICAL FILM REFLECTOR

TECHNICAL  
CIT 10 03  
2875

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
10-6-03	<i>Kim Elfstrom</i>
Date	Signed by: Kim Elfstrom

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. A copy of each cited reference is also enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

This Information Disclosure Statement is being mailed after receipt of a first Office Action on the merits, but prior to the mailing of a Notice of Allowance under 37 CFR § 1.311. Please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p) to Deposit Account No. 13-3723, and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723. One copy of this sheet marked duplicate is also enclosed.

Respectfully submitted,

Date

Stephen W. Buckingham, Reg. No.: 30,035  
Telephone No.: (651) 733-3379

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## U.S. Patent Documents

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		Doc. Number-(Kind Code if Known)			
	A1	US- RE34,605	05/10/94	Schrenk et al.	
	A2	US- 1610423	12/14/26	Cawley	
	A3	US- 2492809	12/27/49	Marks	
	A4	US- 3124639	03/10/64	Kahn	
	A5	US- 3213753	10/26/65	Rogers	
	A6	US- 3528723	09/15/70	Rogers	
	A7	US- 3610729	10/05/71	Rogers	
	A8	US- 3647612	03/07/72	Schrenk et al	
	A9	US- 3711176	01/16/73	Alfrey, Jr. et al.	
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	A29	US- 4714983	12/1987	Lang	
	A30	US- 4720426	01/19/88	Englert et al.	
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	A103	US- 5976424	11-2-00	Weber et al	
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A112	US- 6045894	4-4-00	Jonza et al

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	A113	US- 6049419	4-11-00	Wheatley et al	
	A114	US- 6057961	5-2-00	Allen et al	
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	A141	US- 02-0064671-A1			

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	CA	1327286	03/01/94			X
	B2	CH	218041	12/21/93			X
	B3	GE	4121861	01/16/92			X
	B4	EPO	056843	08/04/82			X
	B5	EPO	062751	10/20/81			X
	B6	EPO	469732	02/05/92			X
	B7	EPO	514223	11/19/92			X
	B8	EPO	552725	07/28/93			X
	B9	EPO	573905	12/15/93			X
	B10	EPO	597261	05/18/94			X
	B11	EPO	606939	07/20/94			X
	B12	EPO	606940	07/20/94			X
	B13	UK	2052779	01/28/81			X
	B14	JAP	4-141603	05/15/92			X
	B15	JAP	63-168604	07/12/88			X
	B16	JAP	63-181201	07/26/88			X
	B17	JAP	4-184429	07/01/92			X
	B18	JAP	5-288910	11/05/93			X
	B19	JAP	6-11607	01/21/94			X

B22 WO 94/29765

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PCT

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B24 WO 95/17691

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		Ctry. Code	Number-KindCode (If known)				
	B25	WO	95/17692	06/29/95	PCT		X
	B26	WO	95/17699	06/29/95	PCT		X
	B27	WO	95/19347	12/19/95	PCT		X
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	B29	WO	97/01774	01/16/97	PCT		X
	B30	WO	97/32226	09/04/97	PCT		X
	B31	WO	99/36477	07/22/99	PCT		
	B32	WO	99/36804	7/22/99	PCT		
	B33	WO	00/07044	02/10/00	PCT		

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Schrenk et al., Nanolayer polymeric optical films, Tappi Journal, pp. 169-174, June 1992
	C2	Schrenk, W. et al., "Coextruded Elastomeric Optical Interference Film", SPE Annual Technical Conference, Atlanta, GA, pp. 1703-1707 (1988).
	C3	Schrenk et al., "Coextruded Infared Reflecting Films", 7 <sup>th</sup> Annual Meeting Polymer Processing Society, Hamilton, Ontario, Canada, pp. 222-223 (April 1991).
	C4	Schrenk et al., "Coextruded Iridescent Film", TAPPI 1976 Paper Synthetics Conf., Atlanta, GA, pp.141-145 (September 27-29, 1976).
	C5	Im, J. et al., "Coextruded Microlayer Film and Sheet", Journal of Plastic Film and Sheeting, Vol. 4, pp. 104-115 (April, 1988).
	C6	Schrenk et al., "Coextruded Multilayer Polymer Films and Sheet", Polymer Blends, Vol. 2, Ch. 15, pp. 129-165, Academic Press, Inc. (1978).
	C7	Hodgkinson, I. Et al., "Effective Principal Refractive Indices and Column Angles for Periodic Stacks of Thin Birefringement Films", J. Opt, Soc. Am. A, Vol. 10, No. 9, pp. 2065-2071 (1993).

Schrenk et al., "Interfacial Flow Instability in Multilayer Coextrusion", Polymer Engineering and Science, Vol. 18 (8), pp. 620-623 (June 1978).

C10 Schrenk, W., "New Developments in Coextrusion", International Conference on Advances In Polymer Processing, New Orleans, Louisiana, (April, 1991).

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	C11	Alfrey, Jr. et al., "Physical Optics of Iridescent Multilayered Plastic Films", Polymer Engineering and Science, Vol. 9, No. 6, pp. 400-404 (November 1969).
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	C13	Weber, M., "23:3: Retroreflecting Sheet Polarizer", SID 92 Digest, pp. 427-429 (1992)
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